

June 25, 1986

Docket Nos. 50-266
and 50-301

Mr. C. W. Fay, Vice President
Nuclear Power Department
Wisconsin Electric Power Company
231 West Michigan Street, Room 308
Milwaukee, Wisconsin 53201

Dear Mr. Fay:

The Commission has issued the enclosed Amendment Nos. 101 and 104 to Facility Operating License Nos. DPR-24 and DPR-27 for the Point Beach Nuclear Plant, Unit Nos. 1 and 2. The amendments consist of changes to the Technical Specifications in response to your application dated May 8, 1986.

These amendments provide a temporary change to the limiting condition for operation (LCO) of the component cooling water (CCW) system for Point Beach Nuclear Plant Units 1 and 2 to permit installation of an additional CCW heat exchanger.

A copy of the Safety Evaluation is also enclosed. A Notice of Issuance will be included in the Commission's next regular biweekly Federal Register notice.

Sincerely,

TSI
Timothy G. Colburn, Project Manager
PWR Project Directorate #1
Division of PWR Licensing-A

Enclosures:

1. Amendment No. 101 to DPR-24
2. Amendment No. 104 to DPR-27
3. Safety Evaluation

cc w/enclosures:
See next page

Office: LA/PAD#1

Surname: PShuttleworth *MLL*

Date: 06/17/86

PM/PAD#1 *TGC*

TColburn/tg *R Bachmann*

06/17/86

OELD *CB*

R Bachmann

06/19/86

PD/PAD#1 *GL*

GLear

06/17/86

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P PDR

[Handwritten signature]

Mr. C. W. Fay
Wisconsin Electric Power Company

Point Beach Nuclear Plant
Units 1 and 2

cc:

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Mr. Gordon Blaha
Town Chairman
Town of Two Creeks
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Chairman
Public Service Commission
of Wisconsin
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Distribution Copies:

Docket Files 50-266/301

NRC PDR

Local PDR

PAD#1 r/f

PAD#1 p/f

TNovak, Actg Div Dir

GLear

TColburn

PShuttleworth

NThompson, DHFT

ELD

LHarmon

EJordan

BGrimes

JPartlow

TBarnhart (4) *g*

WJones

EButcher

FOB for appropriate Division

Tech Branch that had input in package

ACRS (10)

OPA

LFMB (w/cy of TAC w/Amd No. & date issued)



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

WISCONSIN ELECTRIC POWER COMPANY

DOCKET NO. 50-266

POINT BEACH NUCLEAR PLANT, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 101
License No. DPR-24

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Wisconsin Electric Power Company (the licensee) dated May 8, 1986 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-24 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 101, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective immediately upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Timothy G. Colburn, Project Manager
PWR Project Directorate #1
Division of PWR Licensing-A

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 25, 1986



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

WISCONSIN ELECTRIC POWER COMPANY

DOCKET NO. 50-301

POINT BEACH NUCLEAR PLANT, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 104
License No. DPR-27

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Wisconsin Electric Power Company (the licensee) dated May 8, 1986 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

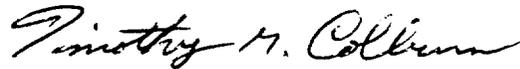
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-27 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 104 , are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective immediately upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Timothy G. Colburn, Project Manager
PWR Project Directorate #1
Division of PWR Licensing-A

Attachment:
Changes to the Technical
Specifications

Date of Issuance: June 25, 1986

ATTACHMENT TO LICENSE AMENDMENT NOS. 101 AND 104
TO FACILITY OPERATING LICENSE NOS. DPR-24 AND DPR-27
DOCKET NOS. 50-266 AND 50-301

Revise Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by the captioned amendment number and contain marginal lines indicating the area of change.

REMOVE

15.3.3-5

INSERT

15.3.3-5

requirements of 15.3.3.C-1 are not satisfied within an additional 48 hours, the reactor shall be placed in the cold shutdown condition.

- a. One of the assigned component cooling pumps may be out of service provided a pump is restored to operable status within 24 hours.
- b. One heat exchanger or other passive component may be out of service provided repairs can be completed within 48 hours.*

Two Unit Operation

1. Both reactors shall not be made critical unless the following conditions are met:
 - a. Three component cooling pumps are operable.
 - b. Three component cooling heat exchangers are operable.
 - c. All valves, interlocks and piping required for the functioning of the system during accident conditions and associated with the above components are operable.
2. During power operation, the requirements of 15.3.3.C-1 may be modified to allow one of the following components to be inoperable at any one time. If the system is not restored to meet the conditions of 15.3.3.C-1 within the time period specified, one reactor shall be placed in the hot shutdown condition. If the requirements of 15.3.3.C-1 are not satisfied within an additional 48 hours, that reactor shall be placed in the cold shutdown condition.
 - a. One of the three assigned component cooling pumps may be out of service provided a pump is restored to operable status within 24 hours.
 - b. One heat exchanger or other passive component may be out of service provided repairs can be completed within 48 hours.*

D. Service Water System

1. Neither reactor shall be made or maintained critical unless the following conditions are met:

*During the installation of an additional component cooling heat exchanger, one of the component cooling heat exchangers may be out of service for up to five (5) days. This installation will take place during the period from July to September 1986.

requirements of 15.3.3.C-1 are not satisfied within an additional 48 hours, the reactor shall be placed in the cold shutdown condition.

- a. One of the assigned component cooling pumps may be out of service provided a pump is restored to operable status within 24 hours.
- b. One heat exchanger or other passive component may be out of service provided repairs can be completed within 48 hours.*

Two Unit Operation

1. Both reactors shall not be made critical unless the following conditions are met:
 - a. Three component cooling pumps are operable.
 - b. Three component cooling heat exchangers are operable.
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2. During power operation, the requirements of 15.3.3.C-1 may be modified to allow one of the following components to be inoperable at any one time. If the system is not restored to meet the conditions of 15.3.3.C-1 within the time period specified, one reactor shall be placed in the hot shutdown condition. If the requirements of 15.3.3.C-1 are not satisfied within an additional 48 hours, that reactor shall be placed in the cold shutdown condition.
 - a. One of the three assigned component cooling pumps may be out of service provided a pump is restored to operable status within 24 hours.
 - b. One heat exchanger or other passive component may be out of service provided repairs can be completed within 48 hours.*

D. Service Water System

1. Neither reactor shall be made or maintained critical unless the following conditions are met:

*During the installation of an additional component cooling heat exchanger, one of the component cooling heat exchangers may be out of service for up to five (5) days. This installation will take place during the period from July to September 1986.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 101 AND 104 TO

FACILITY OPERATING LICENSE NOS. DPR-24 AND DPR-27

WISCONSIN ELECTRIC POWER COMPANY

POINT BEACH NUCLEAR PLANT, UNIT NOS. 1 AND 2

DOCKET NOS. 50-266 AND 50-301

INTRODUCTION

By letter dated May 8, 1986, Wisconsin Electric Power Company (the licensee) requested a temporary change to the Technical Specifications for Point Beach Units 1 and 2. The temporary change would be effective during the period from July 1, 1986 through September 30, 1986 and would allow one of the component cooling heat exchangers to be out of service for a period of up to five days.

DISCUSSION AND EVALUATION

Point Beach Units 1 and 2 now are serviced by three component cooling heat exchangers, one normally assigned to each unit and a backup (swing) heat exchanger that can be used by either unit. The Technical Specifications (15.3.3.C.2) allow one heat exchanger to be out of service for periods of up to 48 hours before the reactor must be placed in a hot shutdown condition. If the heat exchanger cannot be restored to service within an additional 48 hours, the reactor is to be placed in cold shutdown. The temporary change requested by the licensee would extend the 48 hour out-of-service time to five days (120 hours) before placing the reactor in hot shutdown.

During the period covered by the temporary change request, the licensee plans to replace the three existing heat exchangers and install a fourth heat exchanger, thereby providing for two "swing" heat exchangers that can be aligned to serve either unit. Installation of the fourth component cooling heat exchanger would improve both the reliability and the availability of the system, and would allow the licensee to remove one heat exchanger from service for maintenance without entering the 48-hour LCO of the Technical Specification.

The licensee anticipates that the full five-day requested out-of-service time would be needed only while the new fourth heat exchanger is being tied in to the existing "swing" heat exchanger. The other modifications by each take somewhat longer than the 48-hour period allowed by the current Technical Specification, but are expected to be completed in less than the five days requested.

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At any time, no more than one of the heat exchangers would be removed from service, and it would be placed back in service within the five-day period. No heat exchanger would be removed from service before the other heat exchangers had been verified to be fully operable.

The licensee points out that at no time would a reactor be in operation without a component cooling water heat exchanger. Only the capability of switching to a back-up heat exchanger will be affected. Should an in-service heat exchanger fail during a period when the standby heat exchanger is out of service, the affected unit will be in hot shutdown with residual heat being removed through the steam generators. If a similar failure occurred on a shutdown unit, the heat sink for the RHR system would be disabled and the shutdown unit would warm up to the point at which heat could be removed by the steam generators.

We have examined the licensee's request and we find that granting the request will not create the possibility of a new or different kind of accident, nor does it increase the probability of an accident. It does reduce the flexibility provided by having a standby component cooling water heat exchanger available, but heat still can be removed safely from the system via the steam generators in the event of a failure of the in-service heat exchanger. On balance, we conclude that the long term increase in system reliability and availability to be provided by having a fourth component cooling heat exchanger warrants the short term degradation in system flexibility that would result from granting the licensee's request. We, therefore, conclude that the licensee's request should be granted.

The following footnote should be added to Technical Specification 15.3.3.C.2.b:

"During the installation of an additional component cooling heat exchanger, one of the component cooling heat exchangers may be out of service for up to five (5) days. This installation will take place during the period from July to September 1986."

ENVIRONMENTAL CONSIDERATION

These amendments involve a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously published a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

CONCLUSION

We have concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: June 25, 1986

Principal Contributors:

T. Colburn

L. Crocker